

COM/CORBA White Paper

Eric Hughes
hughes@mitre.org
chair: DCWG

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DCWG Vision

- **DCWG = Distributed Computing and Object Management Services TWG**
- **area: distributed objects and components**
- **tasks: review software, provide recommendations, give guidance to developers**
- **ours is an infrastructure area that builds on the kernel**
- **the products we recommend will be used to**
 - **build mission applications included as part of COE**
 - **build applications that work on COE platforms**

COM/CORBA White Paper

- Recent requirements call made COM/CORBA high priority
- JTA 2.0 allows COM and CORBA but requires interoperation with CORBA
- Widen scope a bit to interoperation of COM and CORBA components
- White paper describes how to do this
- Audience is programs that have identified specific interoperation needs

Need sub-group (NTAG and DCWG participants) to write white paper

COM/CORBA Sub-group: Proposed Rules

- **Recommend interoperation approaches, not one or the other technology**
- **Base assumptions on the stated needs and desires of the audience**
 - **address real, known issues**
 - **e.g., COP TWG reqts for Java and “native NT” COP clients**
 - **defer issues of “general interest”**
- **Issues can be addressed by sub-group or contentious issues can be raised with NTAG & DCWG**
- **Base choices on technology capability and program needs**
- **Results to TWGs for segmentation of products [DISA]**

COM/CORBA White Paper: Proposed Outline

- **1. Introduction -- contributors and their experiences, audience, terminology**
 - **2. Scenarios -- audience-supplied needs for interoperation**
 - **3. Basic Bridge Approaches -- support for calls between COM and CORBA components (with basic services like object references, creation...)**
 - **4. Additional Bridge Services -- security, transactions, etc**
 - **5. Performance -- architectures, techniques...**
 - **6. Software Process -- development tools, deployment of mixed systems...**
 - **7. Recommendations for COE**
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- **Sections 3-6 only address problems raised in Section 2**
 - **Don't address segments, except as relevant to scenarios**

Contributions to Date

- **Lowell Rosen [MITRE]: survey of bridging technologies**
- **Iona: whitepapers on OrbixComet**
- **OMG: Interworking standard**
- **Proposed dates**
 - **outline by 18 December**
 - **draft for review of scenario submitters by April**
- **Volunteers: Eric Hughes, Lowell Rosen, Andy Reho, John Weiler, Nick Klavin, Sam Joyce, Ed Feustel, Norm Eko**